

Dec 2022

BD-LG2

2 Component, Polyurethane,
Winter Grade Detector Loop Sealant

Part# BD-LG2

Description

BD-LG2 is a two component polyurethane detector loop sealant. It is designed for use in both asphalt and concrete pavement to provide a weather and chemical resistant waterproof seal.

BD-LG2 Detector Loop Sealant exhibits exceptional chemical resistance to de-icing salts (including 50% by weight potassium acetate), gasoline, hydraulic brake fluid, and motor oil. BD-LG2 requires no clean up since the mixing tips are disposable.

Uses

BD-LG2 is primarily used as a fast cure, protective seal for inductance loops installed in saw-cut slots. It may be used as a sealant for saw cut slots in concrete and asphalt surfaces.

Features

- Self leveling.
- Can cure in freezing temperatures.
- Quick cure when used in warm temperatures.
15 minute gel time in 60° F (16° C) weather.
See "Gel Time" Chart on next page.
- 100% Solids, no shrinking occurs when curing.
Contains no solvents.
- Zero V.O.C.



- Static mixer included with every cartridge.
- Has no chemical reaction to asphalt or concrete and will not cause deterioration of the surface.
- Exhibits no bubbling or "mushrooming".
- Low viscosity sealant, flows easily.
- 600ml dual cartridge dispensing gun available.
Part # **BD-LG2-GUN**.



Surface Preparation

It is the responsibility of the installer to ensure that the substrate is clean and dry (free of dust, water and ice) before installation of BD-LG2. If the substrate is not dry or if it is coated with a thin layer of ice, the surface may be heated with a torch or hot air gun to dry.

Storage

For maximum shelf life store in a dry, cool, and well-ventilated place. 2 year shelf life from date of manufacture.

Packaging

21 fl. oz. (600 mL) ratio pack tubes to be dispensed through a manual gun dispenser. **Dark Gray Color Only.**

Dispensing gun available: Part# BD-LG2-GUN

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Physical Properties

BD-LG2 Mixed Properties:

Property	BD-LG2
Brookfield Viscosity	1200-1700 cps
Color	Dark Gray
Solids	100%
Hardness, Shore A (ASTM D-2240)	70-80
Elongation (ASTM D-412)	175-225%
Tensile Strength	600-800 psi
Adhesion to concrete (ASTM D-903)	170lb/inch width

Note: The above properties are typical characteristics and not to be considered as specifications.

Gel Time in Saw-Cut Slot*	
Temperature**	BD-LG2 Gel Time
23° F (-5° C)	120 minutes
41° F (5° C)	45 minutes
59° F (15° C)	15 minutes
Over 59° F (15° C)	Less than 15 minutes

*1" deep x 1/4" wide saw cut.

** Temperature of material and substrate.

For loop applications, the tack free time is not critical for opening the lanes for traffic if saw cut slot is filled 1/8 inch below pavement/concrete surface. Also, if BD-LG2 is kept at a warmer temperature, (i.e. placed in truck cabin while heater is on) the cure time in saw cut slot will decrease.

Coverage

3/16" Wide Blade/Slot		
Depth	Coverage Per	Coverage
1 1/4"	18 ft	216 ft
1 1/2"	14 ft	168 ft

1/4" Wide Blade/Slot		
Depth	Coverage Per	Coverage
1 1/4"	13.5 ft	162 ft
1 1/2"	10.5 ft	126 ft

Using a 3/16" wide blade over 1/4" blades will save you 25% in loop sealant.

Safety and Handling

Please refer to the Safety Data Sheet for BD-LG2 for more information.

Questions?

BD Loops is here for you. We have a 24 Hour tech support line. Give us a call at: 714-723-0946.